AirStation G54 Quick Setup Guide

54Mbps Wireless Ethernet Converter-g

WLI-TX1-G54

Use this guide to quickly and easily install your **Wireless Ethernet Converter-g**. For detailed information, refer to the User Manual on the Utility CD or refer to the **Buffalo Wireless Support Web Pages**.

Contents

- 54Mbps Wireless Ethernet Converter
- CD-ROM
- 7ft. Ethernet Cable
- AC Adapter
- Quick Setup Guide
- Warranty Statement

If any items are missing, please contact the reseller from whom you purchased this product.

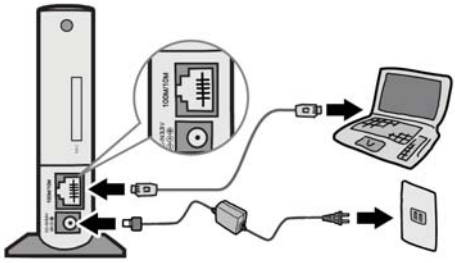
System Requirements

- Desktop or Notebook Computer with an available Ethernet (RJ-45) port
- Web browser 5.0 or later
- 802.11b or 802.11g access point (Infrastructure Mode) OR a different computer with an 802.11b or 802.11g wireless adapter (Ad-hoc Mode).

www.buffalotech.com/wireless

PY00-29007-DM20 Rev A

2Installation & Configuration Using Web Interface



Step 1 Installing the Wireless Ethernet Converter-g

Ⓐ Install the Ethernet Converter to a computer by connecting one end of the included Ethernet cable into an available Ethernet port on your computer and the other end to the Ethernet Converter. Ethernet ports are usually located in the rear of the computer.

Ⓑ Plug the AC Adapter into a wall socket or surge protector (recommended). Connect the AC Adapter to the Ethernet Converter.
(Be sure to use the AC Adapter included with this product or damage may result.)

Windows Setup

Step 2 Configure the TCP/IP settings of your computer

Ⓐ Open your network properties. *Connect Using* should be set to use your active Ethernet NIC Card.

Select **Internet Protocol (TCP/IP).**

Click **Properties**

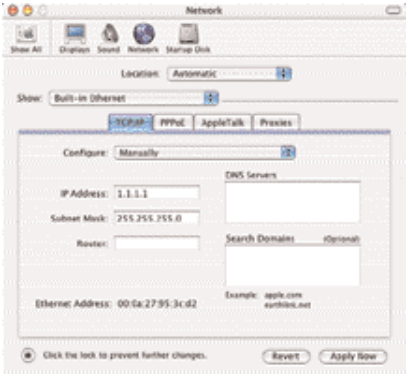
Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
Subnet mask:
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

B Select **Use the following IP Address**s.
Enter **1.1.1.2** into the **IP Address** field.
Enter **255.255.255.0** into the **Subnet Mask** field.

Click **OK**.

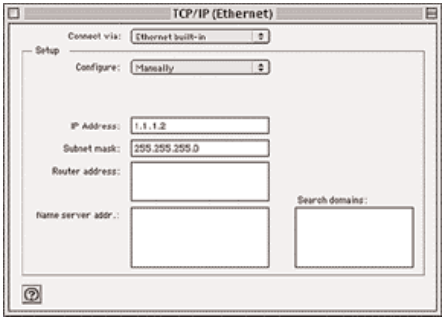
Click **OK** again under the Network Properties window.

Macintosh Setup



OSX - Open your System Preferences and select **Network**.
Set *Show* to **Built-in Ethernet**
Set *Configure* to **Manually**
Enter **1.1.1.2** into the **IP Address** field.
Enter **255.255.255.0** into the **Subnet Mask** field.

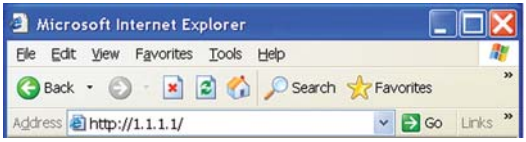
Click **Apply Now.**



OS9 - Open your Control Panels and select **TCP/IP**.
Set *Connect via* to **Built-in Ethernet**
Set *Configure* to **Manually**
Enter **1.1.1.2** into the **IP Address** field.
Enter **255.255.255.0** into the **Subnet Mask** field.

Close and **Save.**

Step 3 Connecting the Wireless Ethernet Converter to the AirStation.



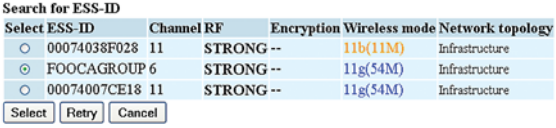
A Open your Web browser 4.5 or later and enter **1.1.1.1** into the URL field.

B The login screen will open.

Enter **root** as the User ID.
Leave the password field blank.

Click **OK**

C The main configuration screen of the 54Mbps Ethernet Converter will open.
Click **Search** in the ESS-ID (SSID) field.


Search for ESS-ID
Select ESS-ID Channel RF Encryption Wireless mode Network topology
00074038F028 11 STRONG -- 11b(11M) Infrastructure
FOOCAGROUP 6 STRONG -- 11g(54M) Infrastructure
00074007CE18 11 STRONG -- 11g(54M) Infrastructure
Select
Retry
Cancel

D The Ethernet Converter will scan for available wireless networks.
Select the SSID (ESS-ID) of the AirStation or other Wi-Fi access point to associate with and click **select.**

E If encryption is used, select the **Encrypt** button and select ASCII or HEX and enter the WEP password.

Click **Set to Connect**.

The Ethernet Converter is now associated with the Local Area Network. All settings will be retained by the Ethernet Converter when moved between different computers and peripherals.

Some screens may vary from those shown in this guide, depending on the operating system used. By accepting the default configuration settings, the Ethernet Converter Manager should discover and configure properly. For more information about configuring and operating your Wireless Ethernet Converter, refer to the User Manual on the Utility CD or the Buffalo Support Web Site:
http://www.buffalotech.com/wireless/support.

Windows

Step 4 Reset the TCP/IP settings of your computer

Ⓐ Open your network properties. *Connect Using* should be set to use your active Ethernet NIC Card.

Select **Internet Protocol (TCP/IP).**

Click **Properties**

Internet Protocol (TCP/IP) Properties
General
Alternate Configuration
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
Subnet mask:
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

Ⓑ Select **Obtain and IP Address Automatically**.

Click **OK**.

Click **OK** again under the Network Properties window.

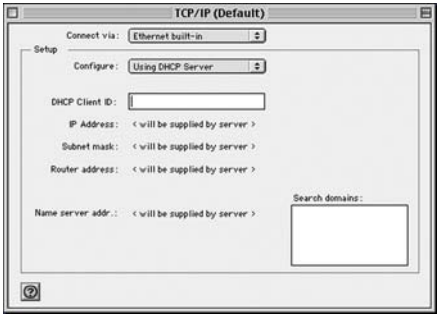
All settings will be retained by the **Wireless Ethernet Converter** when connected to other devices.

Macintosh

OSX - Open your System Preferences and select **Network**.

Set *Show* to **Built-in Ethernet**
Set *Configure* to **Using DHCP**

Click **Apply Now.**



OS9 - Open your Control Panels and select **TCP/IP**.
Set *Connect via* to **Built-in Ethernet**
Set *Configure* to **Using DHCP Server**

Close and **Save.**

Some screens may vary from those shown in this guide, depending on the operating system used. For more information about configuring and operating your Wireless Ethernet Converter, refer to the User Manual on the Utility CD or the Buffalo Support Web Site:
http://www.buffalotech.com/wireless/support.

Buffalo Technology Technical Support

Buffalo Technology offers toll-free technical support 24 hours a day, 7 days a week for this product. Customers in the United States and Canada can obtain technical support using the following information:

- **User Manual** Available on the AirNavigator CD enclosed with your purchase.
- **Web** www.buffalotech.com/wireless
- **E-mail** help@buffalotech.com
- **Telephone** 866-752-6210 (USA & Canada only)

The constantly evolving state of wireless products and operating systems requires Buffalo Technology to occasionally release updated software to take advantage of new technologies and to comply with industry standards. For the most recent software, firmware, driver, and technical whitepaper releases available, please visit the Buffalo Technology website.

FCC Compliance Statement - See owners manual for complete statement.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

R&TTE Compliance Statement - See owners manual for complete statement
This equipment complies with all the requirements of the DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 9 March 1999 on radio equipment and telecommunication terminal Equipment and the mutual recognition of their conformity (R&TTE).

Copyright © 2003 Buffalo Technology, Inc. All Rights Reserved.
Buffalo Technology (USA) Inc., is part of MELCO INC., the global manufacturers of IT peripherals, including memory, networking, and multimedia products, inside many of the world's computers. All trademarks are property of their respective owners.